

SEQUENCE LISTING

<110> Hormann, Robert E
 Chortyk, Orestes
 Le, Dat Phat

<120> Oxadiazoline ligands for modulating the expression of exogenous genes via an ecdysone receptor complex

<130> A01494-US

<140> Not yet assigned
 <141> 2004-02-19

<150> US 60/449,467
 <151> 2003-02-21

<160> 11

<170> PatentIn version 3.2

<210> 1
 <211> 1054
 <212> DNA
 <213> Choristoneura fumiferana

<400> 1
 cctgagtgcg tagtaccgga gactcagtgc gccatgaagc ggaaagagaa gaaagcacag 60
 aaggagaagg acaaactgcc tgtcagcacg acgacggtgg acgaccacat gccgcccatt 120
 atgcagtgtg aacctccacc tcctgaagca gcaaggattc acgaagtggg cccaaggttt 180
 ctctccgaca agctgttggg gacaaaccgg cagaaaaaca tccccagtt gacagccaac 240
 cagcagttcc ttatcgccag gctcatctgg taccaggacg ggtacgagca gccttctgat 300
 gaagatttga agaggattac gcagacgtgg cagcaagcgg acgatgaaaa cgaagagtct 360
 gacactccct tccgccagat cacagagatg actatcctca cgggtccaact tatcgtggag 420
 ttcgcgaagg gattgccagg gttcgccaag atctcgcagc ctgatcaaat tacgctgctt 480
 aaggcttgct caagtgaggt aatgatgctc cgagtcgcgc gacgatacga tgcggcctca 540
 gacagtgttc tgttcgcgaa caaccaagcg tacactcgcg acaactaccg caaggctggc 600
 atggcctacg tcatcgagga tctactgcac ttctgccggt gcatgtactc tatggcggtg 660
 gacaacatcc attacgcgct gctcacggct gtcgtcatct tttctgaccg gccaggggtg 720
 gagcagccgc aactggtgga agaaatccag cgggtactacc tgaatacgct ccgcatctat 780
 atcctgaacc agctgagcgg gtcggcgcggt tcgtccgtca tatacggcaa gatcctctca 840
 atcctctctg agctacgcac gctcggcatg caaaactcca acatgtgcat ctccctcaag 900
 ctcaagaaca gaaagctgcc gcctttcctc gaggagatct gggatgtggc ggacatgtcg 960
 cacacccaac cgccgcctat cctcgagtcc cccacgaatc tctagcccct gcgcgcacgc 1020
 atcgccgatg ccgcgtccgg ccgcgtgct ctga 1054

<210> 2
 <211> 441
 <212> DNA
 <213> Saccharomyces cerevisiae

<400> 2
atgaagctac tgtcttctat cgaacaagca tgcgatattt gccgacttaa aaagctcaag 60
tgctccaaag aaaaaccgaa gtgcgccaag tgtctgaaga acaactggga gtgtcgctac 120
tctcccaaaa ccaaaaggct tccgctgact agggcacatc tgacagaagt ggaatcaagg 180
ctagaaagac tggaacagct atttctactg atttttcctc gagaagacct tgacatgatt 240
ttgaaaatgg attctttaca ggatataaaa gcattgttaa caggattatt tgtacaagat 300
aatgtgaata aagatgccgt cacagataga ttggcttcag tggagactga tatgcctcta 360
acattgagac agcatagaat aagtgcgaca tcatcatcgg aagagagtag taacaaagg 420
caaagacagt tgactgtatc g 441

<210> 3
<211> 538
<212> DNA
<213> Mus musculus

<400> 3
tcgagggccc ctgcagggtca attctaccgg gtaggggagg cgcttttccc aaggcagtct 60
ggagcatgctg ctttagcagc cccgctggca cttggcgcta cacaagtggc ctctggcctc 120
gcacacattc cacatccacc ggtagcgcca accggctccg ttctttgggtg gccccttcgc 180
gccaccttct actcctcccc tagtcaggaa gtccccccc gcccgcgagc tcgctcgtg 240
caggacgtga caaatggaag tagcacgtct cactagtctc gtgcagatgg acagcaccgc 300
tgagcaatgg aagcgggtag gcctttgggg cagcgccaa tagcagcttt gctccttcgc 360
tttctgggct cagaggctgg gaaggggtgg gtccgggggc gggctcaggg gcgggctcag 420
gggcggggcg ggcgcgaagg tcctcccgag gcccggcatt ctcgcacgct tcaaaagcgc 480
acgtctgccg cgctgttctc ctcttcctca tctccgggcc ttctgacctg cagccaat 538

<210> 4
<211> 720
<212> DNA
<213> Homo sapiens

<400> 4
gcccccgagg agatgcctgt ggacaggatc ctggaggcag agcttgctgt ggaacagaag 60
agtgaccagg gcgttgaggg tcctggggga accgggggta gcggcagcag cccaaatgac 120
cctgtgacta acatctgtca ggcagctgac aaacagctat tcacgcttgt tgagtgggcg 180
aagaggatcc cacacttttc ctcttgcct ctggatgac aggtcatatt gctgcgggca 240
ggctggaatg aactcctcat tgcctcctt tcacaccgat ccattgatgt tcgagatggc 300
atcctccttg ccacaggctc tcacgtgcac cgcaactcag ccatttcagc aggagtagga 360
gccatctttg atcgggtgct gacagagcta gtgtccaaaa tgcgtgacat gaggatggac 420
aagacagagc ttggctgcct gagggcaatc attctgttta atccagatgc caagggcctc 480
tccaacccta gtgaggtgga ggtcctgcgg gagaaagtgt atgcatcact ggagacctac 540
tgcaaacaga agtaccctga gcagcaggga cggtttgcca agctgctgct acgtcttcct 600

gccctccggt ccattggcct taagtgtcta gagcatctgt ttttcttcaa gctcattggt	660
gacacccccca tcgacacctt cctcatggag atgcttgagg ctccccatca actggcctga	720

<210> 5
 <211> 635
 <212> DNA
 <213> Locusta migratoria

<400> 5	
tgcatacaga catgcctggt gaacgcatac ttgaagctga aaaacgagtg gagtgcaaag	60
cagaaaacca agtgggaatat gagctggtgg agtgggctaa acacatcccc cacttcacat	120
ccctacctct ggaggaccag gttctcctcc tcagagcagg ttggaatgaa ctgctaattg	180
cagcattttc acatcgatct gtagatgtta aagatggcat agtacttgcc actggtctca	240
cagtgcacgc aaattctgcc catcaagctg gagtcggcac aatatttgac agagttttga	300
cagaactggt agcaaagatg agagaaatga aaatggataa aactgaactt ggctgcttgc	360
gatctgttat tcttttcaat ccagaggtga ggggtttgaa atccgcccag gaagttgaac	420
ttctacgtga aaaagtatat gccgctttgg aagaatatac tagaacaaca catcccgatg	480
aaccaggaag atttgcaaaa cttttgcttc gtctgccttc tttacgttcc ataggcctta	540
agtgtttgga gcatttgttt ttctttcgcc ttattggaga tgttccaatt gatacgttcc	600
tgatggagat gcttgaatca ctttctgatt cataa	635

<210> 6
 <211> 271
 <212> DNA
 <213> herpes simplex virus 7

<400> 6	
atgggccccta aaaagaagcg taaagtcgcc cccccgaccg atgtcagcct gggggacgag	60
ctccacttag acggcgagga cgtggcgatg gcgcatgccg acgcgctaga cgatttcgat	120
ctggacatgt tgggggacgg ggattccccg gggccgggat ttacccccca cgactccgcc	180
ccctacggcg ctctggatat ggccgacttc gagtttgagc agatgtttac cgatgccctt	240
ggaattgacg agtacggtgg ggaattcccc g	271

<210> 7
 <211> 1167
 <212> DNA
 <213> Homo sapiens

<400> 7	
tgaggctccg gtgcccgtca gtgggcagag cgcacatcgc ccacagtccc cgagaagttg	60
gggggagggg tcggcaattg aaccggtgcc tagagaaggt ggcgcggggt aaactgggaa	120
agtgatgtcg tgtactggct ccgccttttt cccgaggggtg ggggagaacc gtatataagt	180
gcagtagtcg ccgtgaacgt tctttttcgc aacgggtttg ccgccagaac acaggtaagt	240
gccgtgtgtg gttcccgcgg gcctggcctc tttacgggtt atggcccttg cgtgccttga	300
attacttcca cctggctcca gtacgtgatt cttgatcccc agctggagcc aggggcgggc	360

cttgcgctttt aggagcccct tcgcctcgtg cttgagttga ggcctggcct gggcgctggg	420
gccgccgct gcgaatctgg tggcaccttc gcgcctgtct cgctgctttc gataagtctc	480
tagccattta aaatttttga tgacctgctg cgacgctttt tttctggcaa gatagtcttg	540
taaatgcggg ccaggatctg cacactggta tttcggtttt tgggcccgcg gccggcgacg	600
gggcccgtgc gtcccagcgc acatgttcgg cgaggcgggg cctgcgagcg cggccaccga	660
gaatcggacg ggggtagtct caagctggcc ggcctgtctt ggtgcctggc ctcgcgccgc	720
cgtgtatcgc cccgccctgg gcggcaaggc tggcccggtc ggcaccagtt gcgtgagcgg	780
aaagatggcc gcttcccggc cctgctccag ggggctcaaa atggaggacg cggcgctcgg	840
gagagcgggc ggggtgagtca cccacacaaa ggaaaagggc ctttccgtcc tcagccgtcg	900
cttcatgtga ctccacggag taccgggcgc cgtccaggca cctcgattag ttctggagct	960
tttgaggtac gtcgtcttta ggttgggggg aggggtttta tgcgatggag tttccccaca	1020
ctgagtgggt ggagactgaa gttaggccag cttggcactt gatgtaattc tcgttggaat	1080
ttgccctttt tgagtttga tcttggttca ttctcaagcc tcagacagtg gttcaaagtt	1140
tttttcttcc atttcaggtg tcgtgaa	1167

<210> 8
 <211> 19
 <212> DNA
 <213> Artificial sequence

<220>
 <223> GAL4 response element

<400> 8 ggagtactgt cctccgagc	19
---------------------------------	----

<210> 9
 <211> 6
 <212> DNA
 <213> Artificial sequence

<220>
 <223> synthetic promoter

<400> 9 tatata	6
-------------------	---

<210> 10
 <211> 1653
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> luciferase gene

<400> 10 atggaagacg ccaaaaacat aaagaaaggc ccggcgccat tctatcctct agaggatgga	60
accgctggag agcaactgca taaggctatg aagagatacg ccctgggttc tggaacaatt	120
gcttttacag atgcacatat cgagggtgaac atcacgtacg cggaatactt cgaaatgtcc	180
gttcggttgg cagaagctat gaaacgatat gggctgaata caaatcacag aatcgtcgta	240

tg	cagt	gaaa	actctcttca	attcttttatg	ccggtggttg	gcgcgttatt	tatcggagtt	300
gc	agtt	gcgc	ccgcgaacga	catttataat	gaacgtgaat	tgctcaacag	tatgaacatt	360
tc	gcag	ccta	ccgtagtggt	tgtttccaaa	aaggggttgc	aaaaaatttt	gaacgtgcaa	420
aaaa	aattac	caataatcca	gaaaattatt	atcatggatt	ctaaaacgga	ttaccaggga		480
tttc	agtcga	tgtacacggt	cgtcacatct	catctacctc	ccggttttaa	tgaatacgat		540
ttt	gtaccag	agtcctttga	tcgtgacaaa	acaattgcac	tgataatgaa	ttcctctgga		600
tctact	gggt	tacctaaggg	tgtggccctt	ccgcatagaa	ctgcctgcgt	cagattctcg		660
catg	ccagag	atcctatttt	tggcaatcaa	atcattccgg	atactgcgat	tttaagtgtt		720
gttccatt	cc	atcacggttt	tggaatgttt	actacactcg	gatatttgat	atgtggattt		780
c	gagtcgtct	taatgtatag	atttgaagaa	gagctgtttt	tacgatccct	tcaggattac		840
aaaatt	tcaaa	gtgcgttgct	agtaccaacc	ctattttcat	tcttcgccaa	aagcactctg		900
attgac	aaat	acgatttatc	taattttacac	gaaattgctt	ctgggggçgc	acctctttcg		960
aaaga	agtcg	gggaagcggt	tgcaaaacgc	ttccatcttc	cagggatacg	acaaggatat		1020
gggctc	actg	agactacatc	agctattctg	attacacccg	agggggatga	taaaccgggc		1080
gcggtc	ggta	aagttgttcc	atTTTTtgaa	gcgaagggtg	tggatctgga	taccgggaaa		1140
acgctg	ggcg	ttaatcagag	aggcgaatta	tgtgtcagag	gacctatgat	tatgtccggt		1200
tatgta	aaaca	atccggaagc	gaccaacgcc	ttgattgaca	aggatggatg	gctacattct		1260
ggagac	atag	cttactggga	cgaagacgaa	cacttcttca	tagttgaccg	cttgaagtct		1320
ttaatta	aat	acaaaggata	tcaggtggcc	cccgtgaat	tggaatcgat	attgttacia		1380
caccca	aca	tcttcgacgc	gggcgtggca	ggtcttcccç	acgatgacgc	cgggtgaactt		1440
cccgcç	gccg	ttgttgtttt	ggagcacgga	aagacgatga	cggaaaaaga	gatcgtggat		1500
tacgtc	gcca	gtcaagtaac	aaccgcgaaa	aagttgcgcg	gaggagtgtg	gtttgtggac		1560
gaagtacc	ga	aaggtcttac	cggaaaactc	gacgcaagaa	aaatcagaga	gatcctcata		1620
aaggcca	aga	agggcgga	gtccaaattg	taa				1653

<210> 11
 <211> 786
 <212> DNA
 <213> Mus musculus

aagc	gggaag	ctgtgcagga	ggagcggcag	cggggcaagg	accggaatga	gaacgaggtg	60
gagt	ccacca	gcagtgccaa	cgaggacatg	cctgtagaga	agattctgga	agccgagctt	120
gctgtc	gagc	ccaagactga	gacatacg	tg	gggctgaa	ccccagctca	180
ccaaat	gacc	ctgttacaa	catctgtcaa	gcagcagaca	agcagctctt	cactcttgtg	240
gagt	gggcca	agaggatccc	acacttttct	gagctgcccc	tagacgacca	ggcctacctg	300
ctac	gggcag	gctggaacga	gctgctgac	gcctccttct	cccaccgctc	catagctgtg	360
aaagat	ggga	ttctcctggc	caccggcctg	cacgtacacc	ggaacagcgc	tcacagtgtc	420

ggggtgggcg ccatctttga caggggtgcta acagagctgg tgtctaagat gcgtgacatg	480
cagatggaca agacggagct gggctgcctg cgagccattg tcctgttcaa ccctgactct	540
aaggggctct caaacctgc tgagggtggag gcgttgaggg agaaggtgta tgcgtcacta	600
gaagcg tact gcaaacacaa gtaccctgag cagccgggca ggtttgccaa gctgctgctc	660
cgctgcctg cactgcgttc catcgggctc aagtcctgg agcacctgtt cttcttcaag	720
ctcatcgggg acacgcccac cgacaccttc ctcattggaga tgctggaggc accacatcaa	780
gccacc	786